FIG. 1

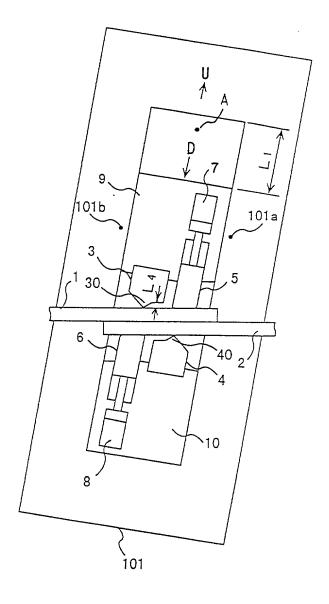
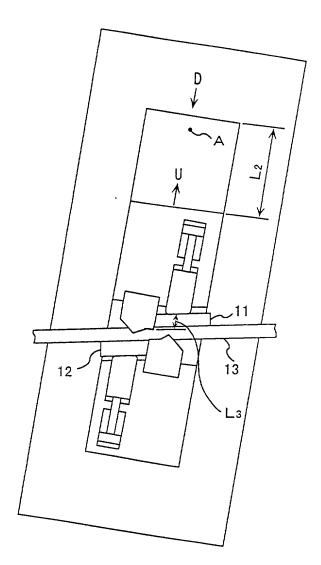


FIG. 2



STROKE: L3 = L2 - L1 - L4

## FIG. 3

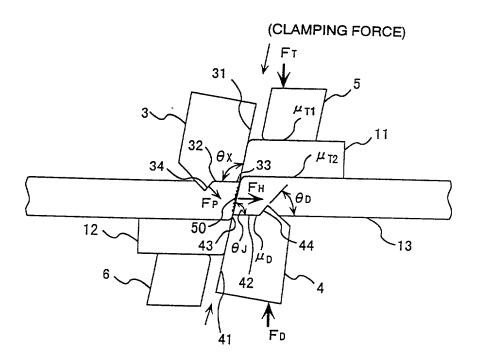


FIG. 4

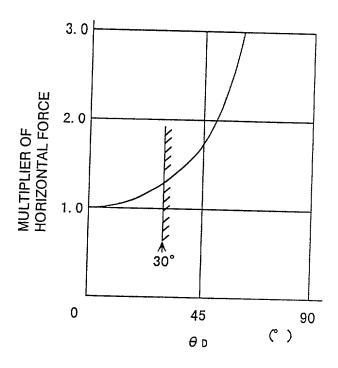


FIG. 5

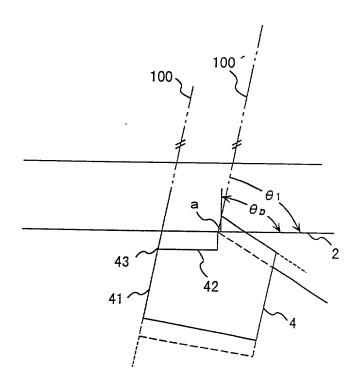


FIG. 6

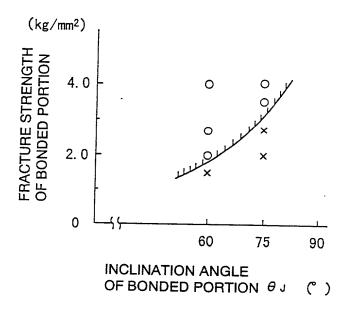
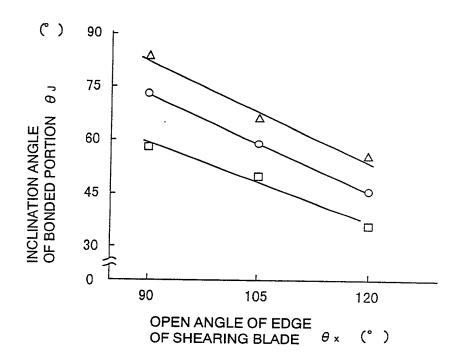
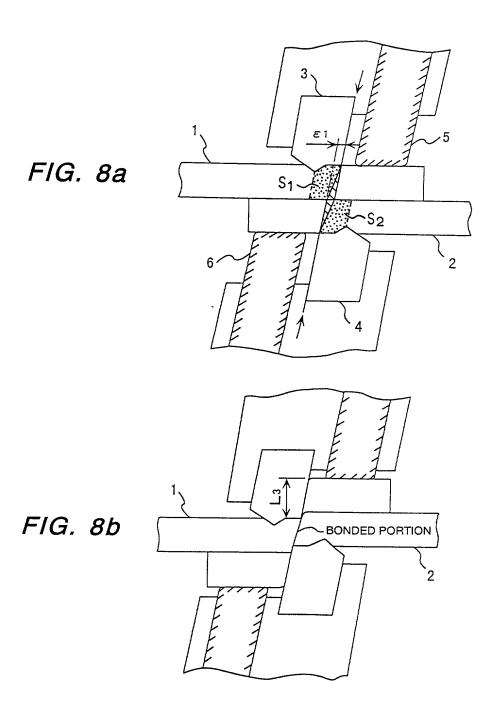
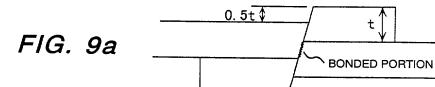
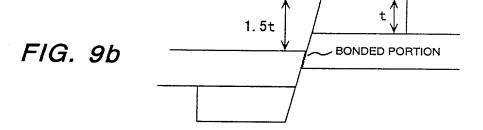


FIG. 7









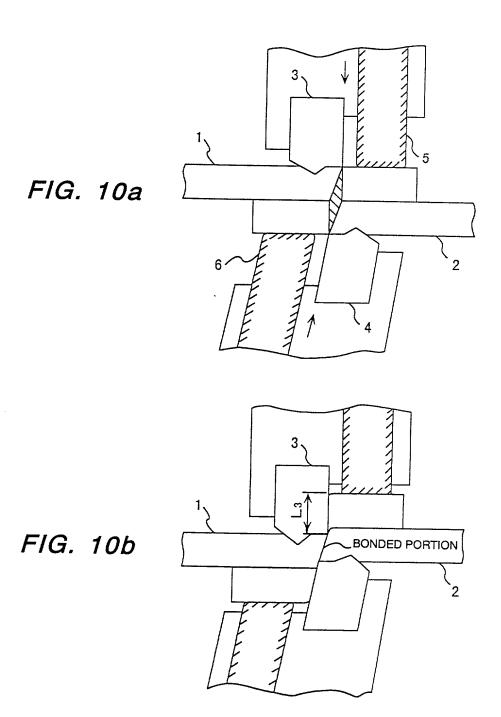


FIG. 11b MAIN CRANKSHAFT UPPER ECCENTRIC SHAFT LOWER SHEARING BLADE LOCUS UPPER SHEARING BLADE LOCUS FIG. 11a LOWER ECCEN-TRIC SHAFT SYNCHRONIZ-ING SHAFT OSCILLATION

FIG. 12

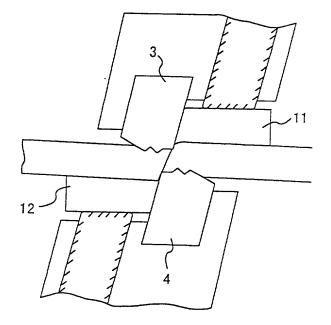
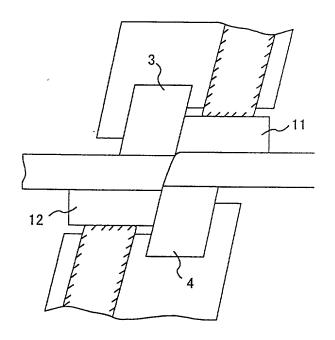
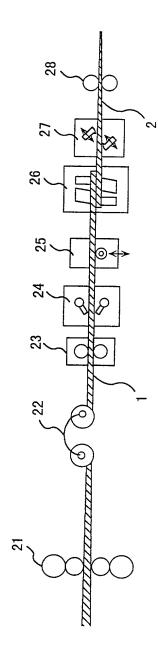


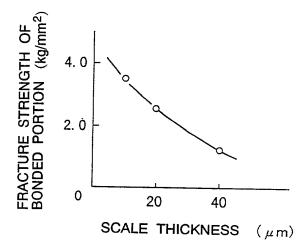
FIG. 13



F/G. 14

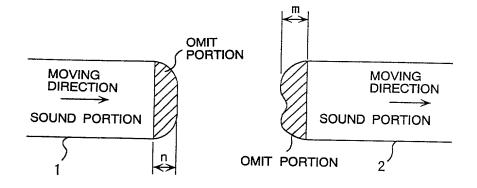


## FIG. 15



## FIG. 16a

FIG. 16b



## FIG. 16c

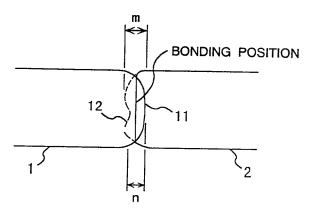


FIG. 16d

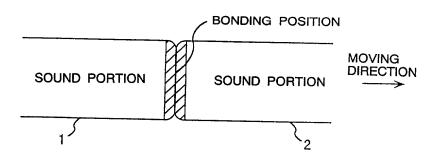


FIG. 17

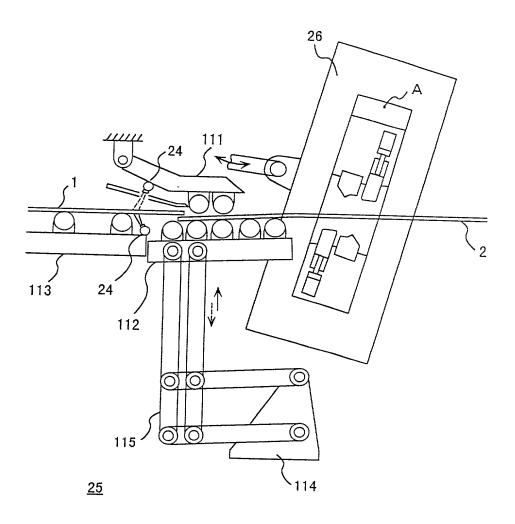


FIG. 18

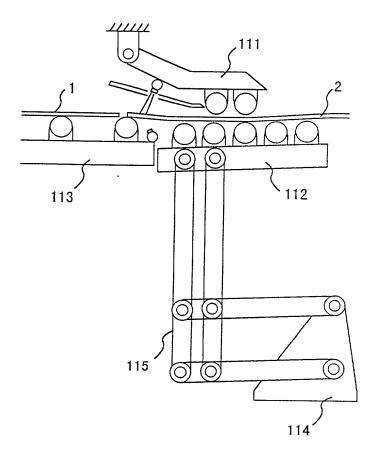


FIG. 19

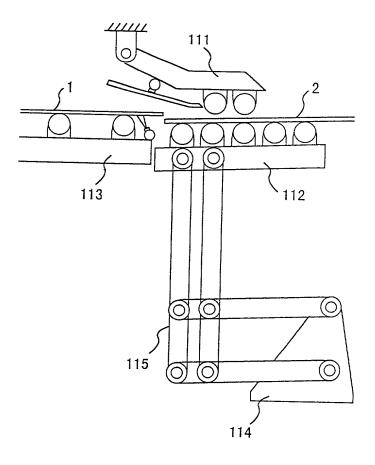


FIG. 20

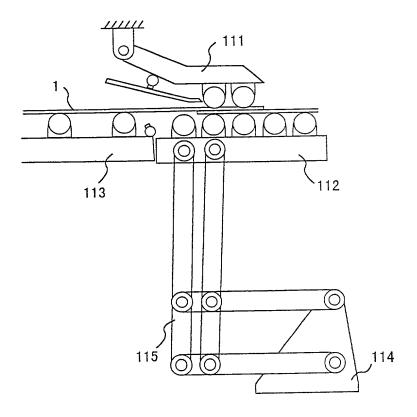


FIG. 21a

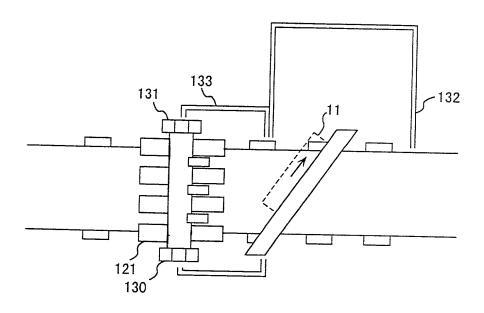


FIG. 21b

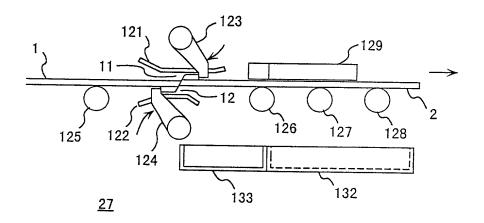


FIG. 22a

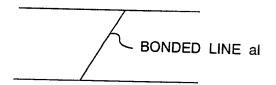


FIG. 22b



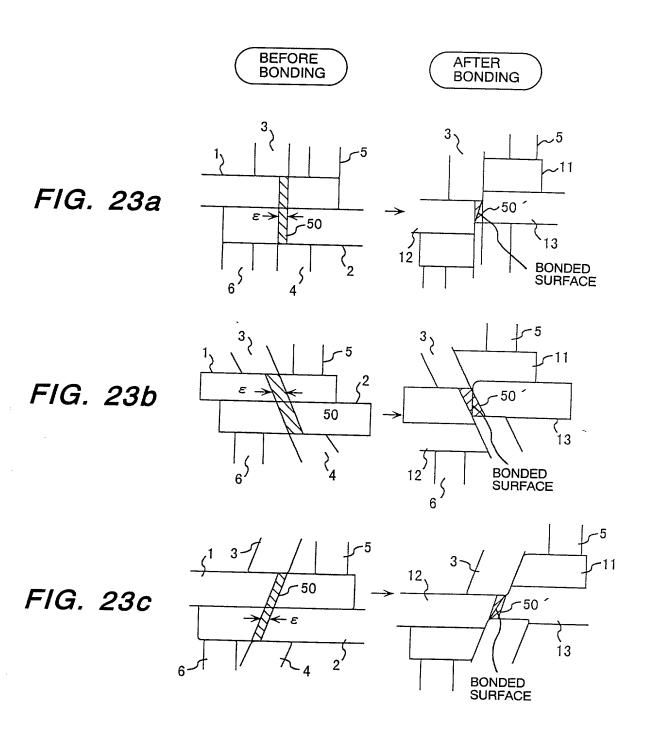


FIG. 24

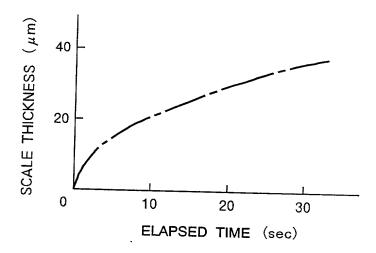


FIG. 25

